

Testimony of

Joel M. Rinebold

Director of Energy Initiatives

Connecticut Center for Advanced Technology, Inc.

Before the

Committee on Transportation

February 6, 2015

Regarding

**Proposed Bill No. 198 - An Act Concerning the Purchase of Electric Vehicles**

### *Introduction*

The Connecticut Center for Advanced Technology, Inc. ("CCAT"), offers this testimony in support of Proposed Bill No. 198 - An Act Concerning the Purchase of Electric Vehicles.

CCAT is a nonprofit corporation that provides services and resources to entrepreneurs, businesses, industry, academia, and government. The Energy Initiative of CCAT has been established to improve the economic competitiveness of the region through solutions that lower energy costs and increase long-term energy reliability. This CCAT Initiative also provides assistance to businesses and manufacturers regarding energy use and energy efficiency; promotes use of sustainable and renewable energy; and undertakes energy planning, including regional planning for zero emission vehicle (ZEV) deployment.

This Proposed Bill involves a concept favorable for the deployment of electric vehicles (EV) and zero emission vehicles (ZEV). The deployment of EV using 1) battery electric vehicle (BEV) technology, and 2) hydrogen powered fuel cell electric vehicle (FCEV) technology will reduce the region's dependency on oil, improve air and water quality, meet carbon and ZEV requirements, potentially utilize renewable energy from indigenous sources such as biomass, wind, and photovoltaic (PV) power, and increase the number of clean energy sector jobs within the Northeast.

The use of FCEV technology will also provide market value with vehicles that are convenient for consumer use, powerful with no voltage drop after use, easily refueled in 3 to 5 minutes consistent with conventional refueling, and have a range of 300+ miles to avoid refueling anxiety.

Public policy to facilitate the direct sale of EV is appropriate and consistent with existing policy to increase energy reliability, improve environmental performance, and increase economic development and the creation of "green" jobs.

I suggest consideration in the development of this concept to include:

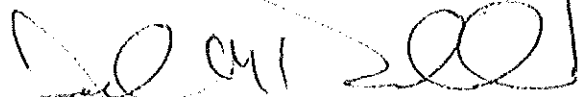
- Detailed provisions for both BEV and FCEV;
- Flexibility for direct purchase and lease arrangements, with lease arrangements to potentially include the provision of fuel; and
- Availability for the direct purchase or lease by private entities including fleet owners, and public entities including state and municipal agencies.

#### *Conclusion*

CCAT is supportive of the concept to encourage the deployment of electric vehicles (EV) in the State which will improve air quality, improve energy reliability, and create jobs throughout the supply chain.

CCAT will make itself available to the Committee and legislature upon request to assist in the refinement of this legislation.

Respectfully submitted,



Joel M. Rinebold

Director of Energy Initiatives